

List of Technical Studies and Referenced Documents

Preliminary technical reports documenting environmental studies conducted for the SR 4 (East) Widening Project: Loveridge Road to SR 160 are listed here. Documents marked with an asterisk (*) are available for review at the following locations:

- Caltrans District 4 office, 111 Grand Avenue, Oakland, California 94623
- Contra Costa Transportation Authority (CCTA) offices at 3478 Buskirk Avenue, Suite 100, Pleasant Hill, California 94523
- Pittsburg Public Library, 80 Power Avenue, Pittsburg, California 94565-3842
- Antioch Public Library, 501 West 18th Street, Antioch, California 94509-2292

Documents referenced in this EA/IS are as follows:

**Community Impact Assessment for the State Route 4 (East) Widening Project: Loveridge Road to State Route 160*, Parsons, November 2003

**Technical Memorandum on Energy Impacts for the State Route 4 (East) Widening Project: Loveridge Road to State Route 160*, Parsons, November 2003

**Growth Inducement Study for the State Route 4 (East) Widening Project: Loveridge Road to State Route 160*, Parsons, November 2003

**Historical Resources Evaluation Report*, JRP Historical Consulting Services, May 2004

Historic Property Survey Report, Parsons, May 2004

**Preliminary Hydrology Study State Route 4 Widening: Loveridge Road to State Route 160*, McGill Martin Self, Inc., June 2004

**Initial Environmental Site Assessment, Route 4 East Corridor Widening, Pittsburg, Contra Costa County, California*, Parikh Consultants, Inc., March 2002

**Natural Environment Study for the State Route 4 (East) Widening Project: Loveridge Road to State Route 160*, Parsons, May 2004

**State Route 4 (East) Widening Noise Study Loveridge Road to State Route 160*, Parsons, March 2004

**Pedestrian Non-Motorized Study, State Route 4 (East) Widening Project*, Parsons, November 2003.

** Preliminary Geotechnical Report: State Route 4 (East) Widening Project Loveridge Road to State Route 160*, Parikh Consultants, Inc., September 2003

**Preliminary Wetland Delineation Report*, Parsons, March 2002.

**State Route 4 (East) Widening Project: Loveridge Road to State Route 160 Air Quality Impact Technical Report*, Terry A. Hayes Associates LLC, March 2004.

**Traffic Analysis Report for the State Route 4 Widening Project Loveridge Road to State Route 160, Fehr & Peers Transportation Consultants, June 2004.*

**State Route 4 (East) Widening Project: Loveridge Road to State Route 160 Visual Impact Assessment, Callander Associates Landscape Architecture, Inc., March 2004.*

**State Route 4 (East) Widening Project: Loveridge Road to State Route 160 Utilities Technical Memorandum, Parsons, November 2003.*

**Water Quality Technical Memorandum, Parsons, January 2004.*

**Storm Water Data Report, State Route 4 (East) Widening Project: Loveridge Road to State Route 160, Parsons, June 2004.*

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Caltrans Highway Design Manual, Metric 1995.

Highway Capacity Manual (HCM) – Chapter 23, “Basic Freeway Sections”, Transportation Research Board, 2000.

Visual Design Guidelines Route 4 East Corridor, Mark Thomas & Company, Inc. and Sugimura & Associates, April 4, 2003.

“Marin’s Commute Crawl,” *Marin Independent Journal*, September 26, 2003.

Route 4 East Corridor from Railroad Avenue to SR160 Final Major Investment Study, Contra Costa Transportation Authority and East Contra Costa County Regional Fee and Financing Authority, May 1999.

SR 4 East Corridor Transit Study by the Contra Costa Transportation Authority and BART.

East County Action Plan, Resolution 94-1, Contra Costa Transportation Authority and TRANSPLAN, 1994.

Caltrans, Traffic Accident Surveillance and Analysis System, an Accident and Highway Database, 2003.

MTC, *2001 RTP for the San Francisco Bay Area*, Adopted December 2001, Amended November 2002: Attachment A, Contra Costa County Projects, Track 1.

Contra Costa General Plan 1995 – 2010, Contra Costa County, July 1996.

I. Hirschman and M. Henderson, “Methodology for Assessing Local Land Use Impacts of Highways.” Transportation Research Record 1274, Transportation Research Board, Washington, DC. 1990.

Association of Bay Area Governments, *Projections: Forecasts for the San Francisco Bay Area to the Year 2030*, 2003.

Caltrans' 2002 *Traffic Volumes on the California Highway System* website, <http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/2002all.html>

Technical Procedures, Contra Costa Transportation Authority, September 1997.

Contra Costa Countywide Bicycle and Pedestrian Plan 2003 (Final), Contra Costa Transportation Authority, http://ccta.best.vwh.net/GM/download/County_Final.pdf. Modified according to the East Contra Costa County Bikeway Plan 2001. (Modified by Parsons to include community facilities.)

Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, September 1998.

Water Quality Control Plan for the San Francisco Bay/San Joaquin Delta Estuary, May 1995.

California Air Resources Board, Federal and State Air Quality Standards, January 9, 2003.

California Air Resources Board, October 2003.

South Coast Air Quality Management District.

United States Code of Federal Regulations, Title 40, Part 93.

Procedures for Abatement of Highway Traffic Noise and Construction Noise (23 CFR Part 772, 2003). FHWA.

Traffic Noise Analysis Protocol, Caltrans, 1998a.

Caltrans website: <http://www.dot.ca.gov/ser/vol1/sec3/physical/ch13energy/chap13.htm>

McBride, J. R., and C. Reid. 1988. Urban. Pages 142-143 in Mayer, K. E. and W. F. Laudenslayer, Jr., eds. 1988. *A Guide to Wildlife Habitats of California*. California Department of Forestry and Fire Protection, Sacramento, CA.

Pearson, D. C. 1988. Eucalyptus. Pages 82-83 in Mayer, K. E. and W. F. Laudenslayer, Jr., eds. 1988. *A Guide to Wildlife Habitats of California*. California Department of Forestry and Fire Protection, Sacramento, CA.

Pittsburg 2020: A Vision for the 21st Century, City of Pittsburg, *General Plan*, Hearing Draft, August 2001.

General Plan, City of Antioch, Contra Costa County, California, November 24, 2003.

United States Census Bureau, 2003, website: www.census.gov

City of Brentwood General Plan 1993-2010, Adopted June 8, 1993, City of Brentwood, 2003.

Oakley 2020 General Plan, Draft, City of Oakley, 2003.

Noise Ordinance, City of Pittsburg, 1979.

Noise Ordinance, City of Antioch, 2003.

2001 Ozone Attainment Plan, Bay Area Air Quality Management District, Metropolitan Transportation Commission and Association of Bay Area Governments.

2000 Bay Area Clean Air Plan, Bay Area Air Quality Management District.

Community Outreach Summary for the State Route 4 (East) Widening Project: Loveridge Road to State Route 160, Public Affairs Management, January 2005.